

## CMM 2022/12<sup>1</sup>

### Conservation and Management Measure for Sharks<sup>2</sup> (Sharks)

#### **The Meeting of the Parties to the Southern Indian Ocean Fisheries Agreement:**

*RECALLING* the relevant provisions of the Southern Indian Ocean Fisheries Agreement, in particular Article 4;

*CONSIDERING* that the United Nations Food and Agriculture Organization (FAO) International Plan of Action for Sharks calls on States to cooperate through regional fisheries organizations to ensure the sustainability of shark stocks;

*RECOGNIZING* the need to improve the collection of species-specific data on catch, effort, discards, and trade as a basis for improving the conservation and management of shark stocks;

*RECALLING* that the FAO International Plan of Action for Sharks calls on States to encourage full use of dead sharks, to facilitate improved species-specific catch and landings data and monitoring of shark catches and the identification and reporting of species-specific biological and trade data;

*FURTHER RECALLING* that United Nations General Assembly, adopted consensus Resolutions every year since 2007 (62/177, 63/112, 64/72, 65/38, 66/68, 67/79, 68/71, 69/109, 70/75 and 71/123), calling upon States to take immediate and concerted action to improve the implementation of and compliance with existing regional fisheries management organization or arrangement measures that regulate shark fisheries and incidental catch of sharks, in particular those measures which prohibit or restrict fisheries conducted solely for the purpose of harvesting shark fins, and, where necessary, to consider taking other measures, as appropriate, such as requiring that all sharks be landed with each fin naturally attached;

*NOTING the high and increasing level of Portuguese dogfish (*Centroscymnus coelolepis*) bycatch; that they constituted the second highest species catch amongst all demersal fish in the SIOFA Area in 2022<sup>1</sup> that the annual catch of Portuguese dogfish in 2022 was the second highest on record; and that Portuguese dogfish accounted for 75% and 80% of the total longline catch in Subarea 2 in 2022 and 2021 respectively.*

#### **ADOPTS the following Conservation and Management Measures (CMM) in accordance with Article 4 and 6 of the Agreement:**

1. This CMM applies to all fishing vessels of Contracting Parties, cooperating non-Contracting Parties (CNCs) and participating fishing entities (PFEs) to the Agreement (collectively CCPs), engaged in fishing operations in the SIOFA Area of Application (the Agreement Area).
2. CCPs shall ensure that fishing vessels flying their flag do not target any deep-sea shark species listed in Annex 1 within the Agreement Area, until the Scientific Committee defines and the Meeting of the Parties agrees on possible appropriate fishing mortality and harvest levels for any of these species.

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<sup>1</sup> CMM 2022/12 (Sharks) supersedes CMM 2019/12 (Sharks).

<sup>2</sup> The term “sharks” refers to Chondrichthyes for the purposes of this CMM, as defined by the Food and Agriculture Organisation (FAO)

- ~~3. CCPs shall prohibit the use of wire trace on all demersal longlines and shall ensure that demersal longline vessels flying their flag are required to use nylon traces. Trace is defined as the entire part of the branch line that connects the hook to the main line.~~
- ~~4. Demersal longline fishing in subarea 2 shall be subjected to a total allowable catch (TAC) catch limit for Portuguese dogfish of 767.6t, starting from 1<sup>st</sup> January 2024. The fishing season for this TAC catch limit is the calendar year.~~
- a. ~~Subarea 2 is defined as the area which:~~
- ~~- South border is 36° South,~~
  - ~~- East border is 49° East~~
  - ~~- West border is 40° East~~
  - ~~- North border are EEZs~~
- b. ~~xx [coordinates to be provided by the Secretariat]~~
- ~~5. To facilitate the implementation of the TAC catch limit, those CCPs that have caught Portuguese dogfish in subarea 2 who have demersal longline vessels fishing in subarea 2 shall provide monthly reports of Portuguese dogfish catches to the Secretariat by the seventh/twentieth day of the following month. Once 80% of the TAC catch limit (614t) has been taken, the Secretariat shall notify all CCPs that weekly reporting is required. Upon receiving such a notification from the Secretariat, those CCPs who have demersal longline vessels fishing in subarea 2 shall provide weekly reports to the Secretariat by close of business Monday/Wednesday for the proceeding/preceding seven days.~~
- ~~6. The Secretariat shall notify all CCPs once this catch limit TAC is reached. On receiving a notification from the Secretariat that the catch limit TAC has been reached, CCPs shall ensure that their flagged vessels fishing in subarea 2 do not retain any Portuguese dogfish for the remainder of the year<sup>3</sup>.~~

~~This provision shall apply from 1 January 2024.~~

~~Once this TAC is reached the Secretariat shall notify all CCPs that subarea 2 is closed to demersal longline fishing. On receiving a notification from the Secretariat that subarea 2 is closed to demersal longline fishing, CCPs shall immediately prohibit their flagged demersal longline vessels from setting any further demersal longlines in subarea 2. Longlines that are already in the water are required to be retrieved.~~

- ~~2. [CCPs are encouraged to require their vessels to move at least five nautical miles from each fishing shot when sharks make up the majority (greater than 50% of total weight) of the catch. For trawl gears this measure would apply to trawls with a total haul of more than two tonnes.]~~
- ~~3.7. CCPs shall ensure that fishing vessels flying their flag record and submit all reporting requirements as per CMM 2022/02 (Data Standards) for all deep-sea sharks to the lowest taxonomical level possible when engaged in fishing for fishery resources.~~
- ~~4.8. By 2020 the Scientific Committee shall advise the Meeting of the Parties on the need to adopt any appropriate by-catch limits for relevant SIOFA deep sea shark species and fleets, including on scientific and data needs for underpinning the elaboration of such advice.~~
- ~~5.9. CCPs shall, where possible, undertake research to identify ways to make all relevant fishing gears more selective to minimise deep sea shark by-catch and shall provide relevant information to the Scientific Committee.~~

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1. <sup>3</sup> The retention prohibition shall apply to any sets/gears in the water following notification of the TAC catch limit being reached. Vessels with lines/gears in the water at the time that the notification is received may retain Portuguese dogfish that are dead at time of haul and shall release all live Portuguese dogfish on such lines.

~~6.10.~~ CCPs shall, where possible, conduct research to identify shark nursery areas in the Agreement Area and provide relevant information to the Scientific Committee.

~~7.11.~~ This CMM shall be reviewed every second year by the Scientific Committee and the Compliance Committee, unless the Meeting of the Parties decides otherwise.

ANNEX 1: List of “**high risk**” and “of concern” deep sea shark species for the purpose of this CMM<sup>4</sup>

<b>Scientific name</b>	<b>French common name</b>	<b>English common name</b>	<b>FAO code</b>
<i>Centroscymnus coelolepis</i>	Pailona commun	Portugese dogfish	CYO
<i>Deania calcea</i>	Squale savate	Birdbeak dogfish	DCA
<i>Centrophorus granulosus</i>	Requin chagrin	Gulper shark	GUP
<i>Dalatias licha</i>	Squale liche	Kitefin shark	SCK
<i>Bythaelurus bachi</i>	Requin chat de Bach	Bach's catshark	BZO
<i>Chimaera buccanigella</i>	Chimère bouche-foncée	Dark-mouth chimaera	ZZG
<i>Chimaera didierae</i>	Chimère de Didier	The Falkor chimaera	ZZD
<i>Chimaera willwatchi</i>	Chimère du marin	Seafarer's ghostshark	ZZE
<i>Centroscymnus crepidater</i>	Pailona à long nez	Longnose Velvet Dogfish	CYP
<i>Centroscymnus plunketi</i>	Pailona austral	Plunket shark	CYU
<i>Zameus squamulosus</i>	Squale grogneur à queue échancrée	Velvet dogfish	SSQ
<i>Etmopterus albus</i>	Requin lanterne à joues blanches	Whitecheek lanternshark	EZU
<i>Apristurus indicus</i>	Holbiche artouca	Smallbelly catshark	APD
<i>Harriotta raleighana</i>	Chimère à nez rigide	Bentnose rabbitfish	HCR
<i>Bythaelurus tenuicephalus</i>	Requin chat à tête étroite	Narrowhead catshark	BZL
<i>Chlamydoselachus anguineus</i>	Requin lézard	Frilled shark	HXC
<i>Hexanchus nakamurai</i>	Requin grisét	Bigeyed six-gill shark	HXN
<i>Etmopterus pusillus</i>	Sagre nain	Smooth lanternshark	ETP
<i>Somniosus antarcticus</i>	Requin dormeur antarctique	Southern sleeper shark	SON
<i>Mitsukurina owstoni</i>	Requin lutin	Goblin shark	LMO
<u>FAO code</u>	<u>English common name</u>	<u>French common name</u>	<u>Scientific name</u>

<sup>4</sup> As defined by SC-04 paragraph 159 and paper SC-04-19.

<a href="#">APD</a>	<a href="#">Smallbelly catshark</a>	<a href="#">Holbiche artouca</a>	<a href="#">Aristurus indicus</a>
<a href="#">BZL</a>	<a href="#">Narrowhead catshark</a>		<a href="#">Bythaelurus tenuicephalus</a>
<a href="#">BZO</a>	<a href="#">Bach's catshark</a>		<a href="#">Bythaelurus bachi</a>
<a href="#">CYO</a>	<a href="#">Portuguese dogfish</a>	<a href="#">Pailona commun</a>	<a href="#">Centroscymnus coelolepis</a>
<a href="#">CYP</a>	<a href="#">Longnose velvet dogfish</a>	<a href="#">Pailona à long nez</a>	<a href="#">Centroselachus crepidater</a> <del><a href="#">Centroscymnus crepidater</a></del>
<a href="#">CYU</a>	<a href="#">Plunket shark</a>	<a href="#">Pailona austral</a>	<a href="#">Scymnodon plunketi</a> <del><a href="#">Centroscymnus plunketi</a></del>
<a href="#">DCA</a>	<a href="#">Birdbeak dogfish</a>	<a href="#">Squale savate</a>	<a href="#">Deania calceusa</a>
<a href="#">ETP</a>	<a href="#">Smooth lanternshark</a>	<a href="#">Sagre nain</a>	<a href="#">Etmopterus pusillus</a>
<a href="#">EZT</a>	<a href="#">Blue-eye lanternshark</a>		<a href="#">Etmopterus viator</a>
<a href="#">EZU</a>	<a href="#">Whitecheek lanternshark</a>		<a href="#">Etmopterus alphas</a>
<a href="#">ETB</a>	<a href="#">Blurred smooth lantern shark</a>		<a href="#">Etmopterus bigelowi</a>
<a href="#">GUP</a>	<a href="#">Gulper shark</a>	<a href="#">Squale-chagrin commun</a>	<a href="#">Centrophorus granulosus</a>
<a href="#">GUQ</a>	<a href="#">Leafscale gulper shark</a>	<a href="#">Squale-chagrin de l'Atlantique</a>	<a href="#">Centrophorus squamosus</a>
<a href="#">CPU</a>	<a href="#">Little gulper shark</a>	<a href="#">Petit squale-chagrin</a>	<a href="#">Centrophorus uyato</a>
<a href="#">HCR</a>	<a href="#">Pacific longnose chimaera</a>	<a href="#">Chimère à nez rigide</a>	<a href="#">Harriotta raleighana</a>
<a href="#">HXC</a>	<a href="#">Frimled shark</a>	<a href="#">Requin lézard</a>	<a href="#">Chlamydoselachus anguineus</a>
<a href="#">HXN</a>	<a href="#">Bigeyed sixgill shark</a>	<a href="#">Requin-vache</a>	<a href="#">Hexanchus nakamurai</a>
<a href="#">LMO</a>	<a href="#">Goblin shark</a>	<a href="#">Requin lutin</a>	<a href="#">Mitsukurina owstoni</a>
<a href="#">QUK</a>	<a href="#">Shortspine spurdog</a>	<a href="#">Aiguillat épinette</a>	<a href="#">Squalus mitsukurii</a>
<a href="#">SDQ</a>	<a href="#">Longsnout dogfish</a>	<a href="#">Squale-savate à long nez</a>	<a href="#">Deania quadrispinosa</a>

<a href="#">SDU</a>	<a href="#">Arrowhead dogfish</a>	<a href="#">Squale-savate lutin</a>	<a href="#">Deania profundorum</a>
<a href="#">SCK</a>	<a href="#">Kitefin shark</a>	<a href="#">Squale liche</a>	<a href="#">Dalatias licha</a>
<a href="#">SSQ</a>	<a href="#">Velvet dogfish</a>		<a href="#">Zameus squamulosus</a>
<a href="#">SONRZZ</a>	<a href="#">Pacific Southern sleeper shark</a>	<a href="#">Laimargue dormeur</a>	<a href="#">Somniosus antarcticus</a> <a href="#">Somniosus pacificus</a>

<a href="#">SSQ</a>	<a href="#">Velvet dogfish</a>	<a href="#">Zameus squamulosus</a>
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<a href="#">ZZC</a>	<a href="#">Dark-mouth chimaera</a>	<a href="#">Chimaera buccanigella</a>
<a href="#">ZZD</a>	<a href="#">Falkor chimaera</a>	<a href="#">Chimaera didierae</a>
<a href="#">ZZE</a>	<a href="#">Seafarer's ghost shark</a>	<a href="#">Chimaera willwatchi</a>
<a href="#">N/A</a>	<a href="#">Cristina's skate</a>	<a href="#">Bathyraja tunae</a>
<a href="#">N/A</a>	<a href="#">Paddlenose chimaera</a>	<a href="#">Rhinochimaera africana</a>

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